



National Weather Service

Storm Data and Unusual Weather Phenomena



February 1999

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, South

ILZ087-090>094

GALLATIN - POPE - HARDIN - ALEXANDER - PULASKI - MASSAC

01	0001CST		0	0	30K	
17	1800CST					FLOOD

The Ohio River remained well above flood stage into early February. The river crested at Shawneetown in late January, but did not crest from Golconda downriver to Cairo until the first few days of February. At Golconda, where flood stage is 40 feet, the crest was 45.38 feet. At Brookport, where flood stage is 37 feet, the crest was 46.50 feet. At Grand Chain, where flood stage is 42 feet, the crest was 51.10 feet. Cairo crested at 49.47 feet, nearly 10 feet over flood stage. All points fell below flood stage by mid month. The crests between 5 and 10 feet over flood stage produced minor to moderate flooding. The primary affected areas were agricultural bottomlands. Roads and parks along the river were also affected, including Fort Massac State Park in Metropolis. At Cairo, a stage of 50 feet prompts the closure of the first flood gate.

ILZ081-084

FRANKLIN - JACKSON

01	0001CST		0	0	6K	
21	0800CST					FLOOD

The Big Muddy River remained above flood stage at Murphysboro from late January through much of February. The flooding was generally minor, affecting uninhabited agricultural and recreational areas. A few houses just downstream of Bridge Street were affected. The crest at Murphysboro was 25.76 feet on the 12th, which is about 10 feet above flood stage. Upriver at Plumfield, the river crested about 2 feet above the 20-foot flood stage on the 10th.

ILZ083

WHITE

01	0001CST		0	0	3K	
24	1700CST					FLOOD

The Little Wabash River, which experienced serious flooding in late January, receded slowly during February. The Little Wabash finally fell below flood stage at Carmi on the 24th.

ILZ076

WAYNE

01	0200CST		0	0	2K	
03	0900CST					FLOOD

The Skillet Fork River rose above flood stage for a couple of days in response to heavy rain over central Illinois. At Wayne City, where flood stage is 15 feet, the crest was 17.03 feet, which caused minor flooding of low-lying and agricultural areas.

ILZ075>078-080>082-084-087-089>094-165-181-193-199

JEFFERSON - WAYNE - EDWARDS - WABASH - PERRY - FRANKLIN - HAMILTON - JACKSON - GALLATIN - JOHNSON - POPE - HARDIN - ALEXANDER - PULASKI - MASSAC

07	0230CST		0	0	23K	
	0345CST					STRONG WINDS

Strong winds ahead of an approaching cold front gusted to 55 MPH at times across all of southern Illinois. These winds were sufficient to bring down some tree limbs and even a few rotted or older trees. In McLeansboro in Hamilton County, a tree fell on a nursing home and damaged the roof. In Massac County, damage occurred at Joppa High School, where a light pole at the baseball field became airborne and penetrated the roof of the school.

ILZ076

WAYNE

07	0400CST		0	0	3K	
10	0800CST					FLOOD

Heavy rain over central Illinois caused the Skillet Fork to rise above flood stage for a couple of days. At Wayne City, where flood stage is 15 feet, the crest of 17.92 feet produced only minor flooding of low-lying areas.

**PERRY County
CONANT**

27	1400CST		0	0	40K	
						THUNDERSTORM WIND

A thunderstorm microburst left a damage path about a quarter mile long and 60 yards wide. A trailer was destroyed, and debris was blown about 150 yards into trees east of the trailer. To the west of the trailer, a house roof was damaged, trees were down, and a pick-up truck was moved about 30 feet.

**FRANKLIN County
6 S SESSER**

27	1420CST		0	0	
					Hail (1.00)

**JACKSON County
MURPHYSBORO**

27	1433CST		0	0	
					Hail (0.88)

**WILLIAMSON County
CAMBRIA**

27	1438CST		0	0	
					Hail (0.75)

**JOHNSON County
GOREVILLE to
VIENNA**

27	1500CST		0	0	
					Hail (0.75)

Hail up to three-quarters of an inch in diameter occurred in the Vienna and Goreville areas.

**HAMILTON County
3 W DALE**

27	1510CST		0	0	20K	
						THUNDERSTORM WIND



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ILLINOIS, South

A barn was blown down.

SALINE County HARRISBURG

27 1535CST 0 0 100K THUNDERSTORM WIND (G70)

A severe thunderstorm struck parts of Harrisburg with winds estimated near 80 MPH. A roof was blown off a house, and windows were blown out of a business. Signs were blown down or damaged, and a car was blown off the road. In downtown Harrisburg along Route 13, three businesses sustained major roof damage. An auto parts store lost a quarter of its roof, which damaged about a quarter of its inventory.

WABASH County LANCASTER to ALLENDALE

27 1537CST 0 0 50K THUNDERSTORM WIND (G61)

Thunderstorm wind gusts were estimated by spotters to be around 70 MPH. A barn was blown down near Allendale, and trees were uprooted elsewhere in the county.

PERRY County DU QUOIN

27 1545CST 0 0 50K LIGHTNING

Lightning struck a house, setting it ablaze. The house and its contents were a total loss.

INDIANA, Southwest

INZ085-087>088

POSEY - WARRICK - SPENCER

01 0001CST 0 0 FLOOD
06 1000CST

The Ohio River, which crested in late January, fell below flood stage at Mount Vernon and Newburgh during the first week of February. The flooding that lingered into early February was minor, affecting agricultural bottomlands and some riverside roads and parks.

INZ081-085

GIBSON - POSEY

01 0001CST 0 0 8K FLOOD
21 1800CST

The Wabash River, which rose above flood stage in late January, crested at New Harmony on February 15. Flood stage at New Harmony is 15 feet, and the crest of 18.21 feet produced only minor flooding.

INZ081

GIBSON

01 0001CST 0 0 3K FLOOD
04 1800CST

The Patoka River rose above flood stage in late January and crested on the morning of February 1 at Princeton. The crest at Princeton was only about 8 inches above the 18-foot flood stage. This resulted in minor flooding of low-lying areas.

INZ081>082-085>088

GIBSON - PIKE - POSEY - VANDERBURGH - WARRICK - SPENCER

07 0330CST 0 0 STRONG WINDS
0600CST

Strong winds ahead of an approaching cold front gusted to between 50 and 55 MPH at times. There were some tree limbs and a few weaker, older trees that blew down.

PIKE County ARTHUR

11 1930CST 0 0 THUNDERSTORM WIND (G50)

Thunderstorm winds gusted to 58 MPH.

WARRICK County LYNNVILLE to BOONVILLE

11 1944CST 0 0 THUNDERSTORM WIND (G52)

A television station relayed a report of measured wind gusts to 62 MPH at Boonville and 60 MPH at Lynnville.

SPENCER County RICHLAND to 3 NE RICHLAND

11 2012CST 0 0 40K THUNDERSTORM WIND (G75)
2015CST

Two barns were destroyed, one in Richland City and the other 3 miles northeast of Richland City. A grain auger was destroyed, and there was sign damage at a co-op in town. A small block building was blown apart. The roof was blown 50 to 75 feet away. Numerous trees were snapped or uprooted. All debris was blown in a northeast direction.

SPENCER County 1.5 NE RICHLAND

11 2012CST 0 0 Hail (1.00)

A microburst in the same area caused significant damage.



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<u>INDIANA, Southwest</u>							
POSEY County POSEYVILLE	27	1545CST			0 0	50K	THUNDERSTORM WIND
A trailer was blown over, and a barn was blown down.							
VANDERBURGH County 3 W EVANSVILLE to 3 E EVANSVILLE	27	1558CST			0 0	200K	THUNDERSTORM WIND (G75)
Numerous trees and power lines were down in and around Evansville. Wind speeds were measured to 75 MPH at a television station in Evansville. A few microbursts with estimated wind speeds between 80 and 90 MPH occurred in and near Evansville. Two of the most intense microbursts were on the northwest side of Evansville and the east side of Evansville. On the northwest side, shingles were off roofs, some 2 by 4's were blown through a car windshield, and large storage buildings were damaged. This damage path was 1 to 2 miles long and 300 yards wide. Elsewhere in the county, in the McCutchanville area, large doors of a building were shoved in. About 3 miles north of Daylight on Interstate 164, a tractor trailer was overturned. Just east of Evansville, near the junction of Interstate 164 and Route 62, two power poles were downed, and three houses sustained significant roof damage. A light commercial structure that was under construction was blown down.							
WARRICK County NEWBURGH to 2 N NEWBURGH	27	1622CST			0 0	50K	THUNDERSTORM WIND
Thunderstorm winds damaged at least two businesses in Newburgh. Power poles were snapped along Route 261.							
<u>KENTUCKY, Southwest</u>							
KYZ004>005-007-010-014-018	BALLARD - MCCracken - LIVINGSTON - CRITTENDEN - UNION - HENDERSON						
	01 08	0001CST 1200CST			0 0	12K	FLOOD
The Ohio River, which rose above flood stage in mid to late January, crested on February 1 at Uniontown and Paducah. The crest at Paducah was 44.23 feet, which is over 5 feet above flood stage. The crest at Uniontown (J.T. Meyers Lock and Dam) was 43.85 feet, about 7 feet over flood stage. The river fell below flood stage by February 8. At the height of the flood, several small unprotected towns experienced moderate flooding, otherwise the flooding was mostly confined to agricultural bottomlands and roads.							
KYZ020	MCLEAN						
	01 02	0001CST 2000CST			0 0		FLOOD
The Green River, which crested at Calhoun in late January, fell below flood stage on February 2.							
GRAVES County 3 S DUBLIN	07	0200CST			0 0	30K	THUNDERSTORM WIND (G52)
A small tool barn was destroyed. Elsewhere in the county, numerous trees were blown down and a mobile home was overturned.							
CARLISLE County MILBURN	07	0252CST			0 0	20K	THUNDERSTORM WIND (G55)
Numerous trees and limbs were down. Wind gusts across western Kentucky averaged from 45 to 55 MPH outside of thunderstorms. Isolated higher gusts between 60 and 70 MPH occurred in and near thunderstorms.							
KYZ001>011-013>016-018>021	FULTON - HICKMAN - CARLISLE - BALLARD - MCCracken - GRAVES - LIVINGSTON - MARSHALL - CALLOWAY - CRITTENDEN - LYON - CALDWELL - UNION - WEBSTER - HOPKINS - HENDERSON - DAVIESS - MCLEAN - MUHLENBERG						
	07	0255CST 0500CST			0 0	40K	STRONG WINDS
Strong winds ahead of an approaching cold front gusted to between 45 and 55 MPH for a few hours. These winds brought down scattered tree limbs and a few rotted or older trees. Near Paducah, a tree fell on a business, causing considerable damage. Just south of Paducah in the Farley section of McCracken County, a 150-foot oak tree crashed onto a house, falling through the roof of the kitchen and both bedrooms. A few power outages occurred across western Kentucky, mainly in conjunction with downed tree limbs. Isolated higher damaging wind gusts over 60 MPH were associated with thunderstorms. Automated observing sites at Paducah and Madisonville indicated peak wind gusts of 44 to 49 MPH.							
MARSHALL County CALVERT CITY	07	0312CST			0 0	40K	THUNDERSTORM WIND (G56)



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<u>KENTUCKY, Southwest</u>									
A wind gust to 65 MPH was measured at Calvert City. A roof was partially blown off a house. Trees and signs were down. General winds outside of thunderstorm activity gusted to 50 MPH. Showers and thunderstorms produced higher gusts between 60 and 65 MPH.									
MUHLENBERG County									
BEECH CREEK	11	2030CST			0	0			THUNDERSTORM WIND (G52)
High thunderstorm winds estimated near 60 MPH downed a large tree.									
TODD County									
ELKTON	11	2034CST			0	0			THUNDERSTORM WIND (G52)
UNION County									
.5 E MORGANFIELD to 3 NE MORGANFIELD	27	1600CST 1605CST	3	100	0	2	200K		Tornado (F1)
Three mobile homes in a mobile home park were destroyed, and 3 others received major damage. Several garages and small storage buildings were destroyed. Two occupants of one of the mobile homes were hospitalized for cuts, bruises, and torn ligaments. Top winds were estimated near 110 MPH.									
<u>MISSOURI, Southeast</u>									
MOZ087-111>112-114	CAPE GIRARDEAU - SCOTT - MISSISSIPPI - NEW MADRID								
	01	0001CST			0	0			FLOOD
	12	2200CST							
Generally minor flooding of the Mississippi River occurred in February. The primary affected areas were agricultural bottomlands, parks, and a few roads. Due to flooding of the Ohio River, locations downriver from Cairo experienced flooding from late January through about February 10. At New Madrid, where flood stage is 34 feet, the river crested at 37.1 feet on the 5th. A separate flood crest came down the river past Cape Girardeau around the 10th. The crest at Cape Girardeau on the 10th was only about 1.5 feet above flood stage.									
MOZ100	WAYNE								
	07	1800CST			0	0	5K		FLOOD
	08	1800CST							
Heavy rain over the hilly terrain of central Missouri caused the St. Francis River to flood in the vicinity of Patterson. At Patterson, where flood stage is 16 feet, the river crested at 22.34 feet around 230 A.M. on the 8th. This resulted in minor to moderate flooding of low-lying areas. It was the highest crest at Patterson since May of 1997.									
MOZ108	RIPLEY								
	09	0100CST 1400CST			0	0	3K		FLOOD
Heavy rain over the hilly terrain of central Missouri caused the Current River to rise above flood stage. At Doniphan, where flood stage is 13 feet, the crest of 15.1 feet occurred at 6 A.M. This resulted in flooding of low-lying agricultural areas and roadways.									
BOLLINGER County									
2 E MARBLE HILL	11	1543CST			0	0	50K		THUNDERSTORM WIND
Thunderstorm winds blew a house trailer off its foundation and partially unroofed a machine shed. A large old building was destroyed.									
PERRY County									
PERRYVILLE	11	1551CST			0	0			THUNDERSTORM WIND (G50)
SCOTT County									
CHAFFEE	11	1648CST			0	0	20K		THUNDERSTORM WIND
Thunderstorm winds blew a roof off a house. Ninety percent of the roof was destroyed. Debris from the roof damaged another house nearby. In the same area, power lines were down.									
MISSISSIPPI County									
6 W CHARLESTON	11	1740CST			0	0	10K		THUNDERSTORM WIND
A utility pole was blown over.									
PERRY County									
SILVER LAKE to FARRAR	27	1330CST			0	0	6M		Hail (2.00)



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					Killed	Injured	Property	Crops	

MISSOURI, Southeast

An extensive hailstorm pounded much of Perry County with hailstones up to 2 inches in diameter, which is slightly bigger than a golf ball. In downtown Perryville, hailstones measuring up to 2 inches in diameter fell for 10 to 12 minutes. Insurance companies estimated damage in excess of 5 million dollars. Windows were broken out of homes and vehicles, skylights were broken, and vinyl siding was damaged. Most of the hail damage in Perryville was on the southern side of town. At the Perry County Sheriff Department, all the police vehicles were dented, and a skylight in the main cell block broke. All 200 vehicles at an auto dealership near I-55 and Route 51 received damage, including some broken windshields.

PERRY County

FARRAR

27	1340CST	0	0	25K	THUNDERSTORM WIND
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Severe thunderstorm winds uprooted large trees and knocked a shed off its foundation.

WAYNE County

GREENVILLE

27	1355CST	0	0	Hail (0.88)
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BOLLINGER County

6 N MARBLE HILL

27	1422CST	0	0	Hail (1.75)
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